



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1094951  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1094951

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Meyer 1-33
Doc ID	1094951

Tops

Name	Top	Datum
Heebner	3961	-1015
Lansing	3992	-1046
Stark Shale	4234	-1288
Hushpuckney	4270	-1324
Base KC	4304	-1358
Marmaton	4367	-1421
Pawnee	4429	-1483
Ft. Scott	4457	-1511
Johnson	4555	-1609
Morrow	4573	-1627
Basal Penn	4583	-1637
Mississippian	4590	-1644
Spergen	4697	-1751

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

September 27, 2012

Jay Schweikert  
Lario Oil & Gas Company  
301 S MARKET ST  
WICHITA, KS 67202-3805

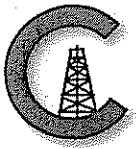
Re: ACO1  
API 15-063-22037-00-00  
Meyer 1-33  
SE/4 Sec.33-12S-31W  
Gove County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Jay Schweikert



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE

Invoice # 253009

Invoice Date: 09/19/2012 Terms: 10/10/30,n/30

Page 1

LARIO OIL & GAS  
P.O. BOX 1093  
GARDEN CITY KS 637846  
(316)265-5611

MEYER 1-33  
36743  
33-12-21  
09-18-2012  
KS

Drilling AFE 12-249  
9-24-12 LK

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	205.00	15.1000	3095.50
1118B	PREMIUM GEL / BENTONITE	705.00	.2500	176.25
1107	FLO-SEAL (25#)	51.00	2.8200	143.82
4432	8 5/8" WOODEN PLUG	1.00	96.0000	96.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-526.74
9995-130	CEMENT EQUIPMENT DISCOUNT	-267.75

Description	Hours	Unit Price	Total
T-118 P & A NEW WELL	1.00	1325.00	1325.00
T-118 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.00	50.00
566 MIN. BULK DELIVERY	1.00	410.00	410.00

*Ant Surface Coy*  
*all ye*  
*all ye*  
*JS*

SEP 27 2012

Amount Due 5579.26 if paid after 10/19/2012

Parts:	3511.57	Freight:	.00	Tax:	240.29	AR	4742.37
Labor:	.00	Misc:	.00	Total:	4742.37		
Sublt:	-794.49	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 36743  
LOCATION Oakley KS  
FOREMAN Fuzzie Miles Shaw

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
9-18-12	4793	Meyer 1-33	33	12	21	Gove	
CUSTOMER LARIO OIL & GAS			Oakley 115- 4E win				
MAILING ADDRESS							
CITY		STATE	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
				529-T-118	Jerry Y		
				566	Cody R		

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 4720' CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE 4 1/2 TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.1 SLURRY VOL 1.40 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on Duke #4. Rig up and plug as ordered  
25 sks @ 2450'  
100 sks @ 1575' 205 sks 60/40 pos 490 gal 1 1/4" Plossal  
40 sks @ 300'  
10 sks @ 40' w/plug  
30 sks RH

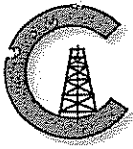
Thanks Fuzzie & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405W	1	PUMP CHARGE	1325 <sup>00</sup>	1325 <sup>00</sup>
5406	10 miles	MILEAGE	5 <sup>00</sup>	50 <sup>00</sup>
5407	8.8 ton	Tow mileage Delivery (min)	410 <sup>00</sup>	410 <sup>00</sup>
1131	205 sks	60/40 pos	15 <sup>10</sup>	3095 <sup>50</sup>
118B	705 #	Bentonite	.25	176 <sup>25</sup>
1107	51 #	Plossal	2 <sup>80</sup>	143 <sup>80</sup>
4432	1	8 5/8 wood cup plug	96 <sup>00</sup>	96 <sup>00</sup>
		subtotal		5296 <sup>57</sup>
		less 1590 disc		794 <sup>49</sup>
		subtotal		4502 <sup>08</sup>
		SALES TAX		240 <sup>89</sup>
		ESTIMATED TOTAL		4742 <sup>37</sup>

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form

253009



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE

Invoice # 252651

Invoice Date: 09/11/2012 Terms: 15/15/30,n/30

Page 1

LARIO OIL & GAS  
P.O. BOX 1093  
GARDEN CITY KS 637846  
(316)265-5611

**MEYER 1-33**  
37195  
33-12-31  
09-08-2012  
KS

AFE 12-249  
2 Stage  
completion  
CK 9/14/12

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	165.00	17.6500	2912.25
1102	CALCIUM CHLORIDE (50#)	465.00	.8900	413.85
1118B	PREMIUM GEL / BENTONITE	310.00	.2500	77.50

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-510.54
9995-130	CEMENT EQUIPMENT DISCOUNT	-231.75

Description	Hours	Unit Price	Total
399 CEMENT PUMP (SURFACE)	1.00	1085.00	1085.00
399 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.00	50.00
460 MIN. BULK DELIVERY	1.00	410.00	410.00

*all  
OK*  
*SEP 17*  
*el  
OK*

Amount Due 5222.59 if paid after 10/11/2012

Parts:	3403.60	Freight:	.00	Tax:	232.89	AR	4439.20
Labor:	.00	Misc:	.00	Total:	4439.20		
Sublt:	-742.29	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_ Date \_\_\_\_\_



**CONSOLIDATED**  
Oil Well Services, LLC S

TICKET NUMBER 37195  
LOCATION Oakley, KS  
FOREMAN Walt Dinkel

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-8-12	4793	Meyer 1-33	33	12S	31W	Grove
CUSTOMER			OAKLEY			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			399	Daman Miller		
STATE			460	Thornton		
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 266' CASING SIZE & WEIGHT 8 5/8 -'  
CASING DEPTH 265' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 15'  
DISPLACEMENT 15.9 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 BPM

REMARKS: Safety Meeting, rig up on Duke #4, cwr. on bottom  
mix 165 SKs com, 3%cc-2%gel, Displace 15.9 BBL H2O, slurt in  
1 BBL to Pit

Thank You  
Walt & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54013	1	PUMP CHARGE	6085.00	6085.00
5406	10	MILEAGE	5.00	50.00
11043	165 SKs	class A cement	17.65	2912.25
1102	465 #	Calcium Chloride	.89	413.85
118B	310 #	Gel	.25	77.50
5407	7.76	Ton Mileage Delivery	1.67	410.00
				4,948.60
		Less 15% Disc.		- 742.89
				4,206.21
		SALES TAX		232.89
		ESTIMATED TOTAL		4439.20

Revin 3737

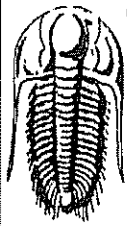
AUTHORIZATION Rich Wheeler TITLE T.P.

DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form

252651





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Lario Oil & Gas Comp

33-12s-31w Gove, Ks

301 S. Market St  
Wichita, Ks

Meyer #1-33

Job Ticket: 50156

DST#: 4

ATTN: Brad Rine

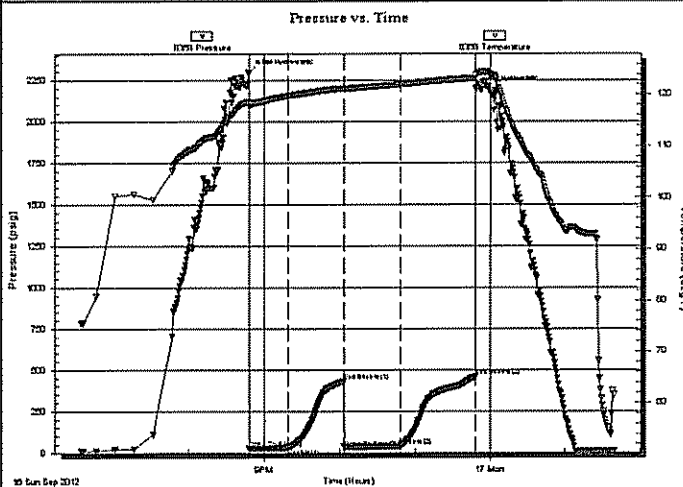
Test Start: 2012.09.16 @ 18:35:36

## GENERAL INFORMATION:

Formation: **Johnson**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 20:48:06  
 Time Test Ended: 01:55:06  
 Interval: 4533.00 ft (KB) To 4575.00 ft (KB) (TVD)  
 Total Depth: 4575.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 2946.00 ft (KB)  
 2939.00 ft (CF)  
 KB to GR/CF: 7.00 ft

Serial #: 8368 Inside  
 Press@RunDepth: 39.79 psig @ 4534.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.09.16 End Date: 2012.09.17 Last Calib.: 2012.09.17  
 Start Time: 18:35:36 End Time: 01:39:06 Time On Blm: 2012.09.16 @ 20:47:51  
 Time Off Blm: 2012.09.16 @ 23:48:36

TEST COMMENT: 3 1/4" in blow  
 No return  
 9 1/4" in blow  
 No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2297.35	118.66	Initial Hydro-static
1	25.91	117.81	Open To Flow (1)
31	30.04	119.76	Shut-In(1)
75	428.75	121.21	End Shut-In(1)
76	29.47	121.09	Open To Flow (2)
121	39.79	122.00	Shut-In(2)
181	457.44	123.21	End Shut-In(2)
181	2193.12	123.75	Final Hydro-static

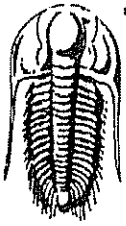
## Recovery

Length (ft)	Description	Volume (bbl)
45.00	s g m c o 5g 15m 80o	0.63
0.00	135' weak gas in pipe	0.00

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Comp

33-12s-31w Gove, Ks

301 S. Market St  
Wichita, Ks

Meyer #1-33

Job Ticket: 50156

DST#: 4

ATTN: Brad Rine

Test Start: 2012.09.16 @ 18:35:36

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
45.00	s g m c o 5g 15m 80o	0.631
0.00	135' weak gas in pipe	0.000

Total Length: 45.00 ft      Total Volume: 0.631 bbl

Num Fluid Samples: 0

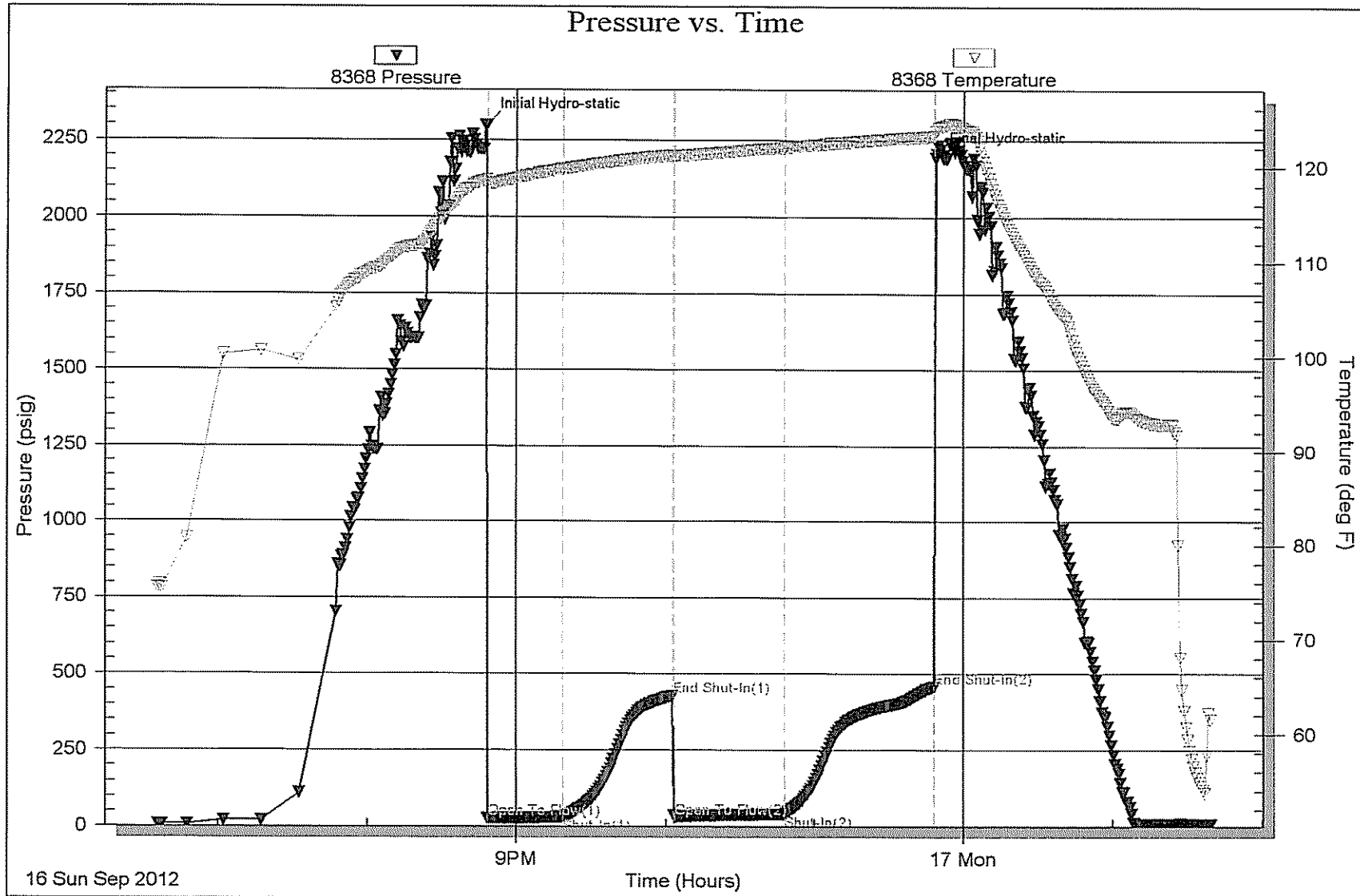
Num Gas Bombs: 0

Serial #:

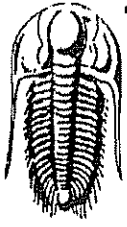
Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Comp

**33-12s-31w Gove,Ks**

301 S. Market St  
Wichita,Ks

**Meyer #1-33**

Job Ticket: 50155

DST#: 3

ATTN: Brad Rine

Test Start: 2012.09.15 @ 00:05:41

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

40000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbi

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbi
140.00	m c w 40m 60w	1.964
300.00	s m c w 10m 90w	4.208

Total Length: 440.00 ft      Total Volume: 6.172 bbi

Num Fluid Samples: 0

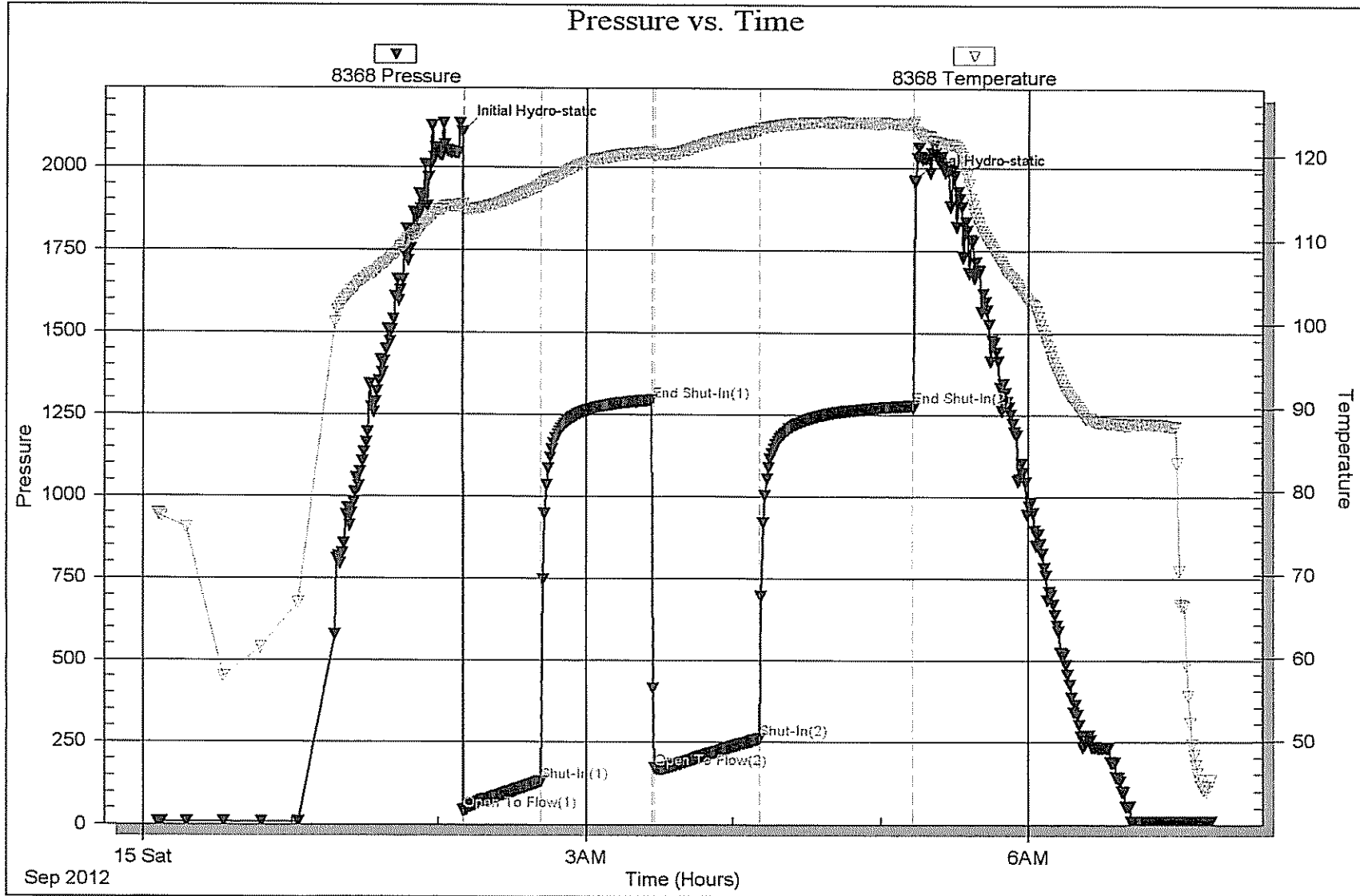
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .251 @50\*f = 40,000 chlor





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Lario Oil & Gas Comp

33-12s-31w Gove,Ks

301 S. Market St  
Wichita, Ks

Meyer #1-33

Job Ticket: 50154

DST#: 2

ATTN: Brad Rine

Test Start: 2012.09.14 @ 10:10:55

### GENERAL INFORMATION:

Formation: H-I

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 12:31:55

Time Test Ended: 16:50:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Interval: 4143.00 ft (KB) To 4212.00 ft (KB) (TVD)

Total Depth: 4212.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2946.00 ft (KB)

2939.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8368

Inside

Press@RunDepth: 48.92 psig @ 4144.00 ft (KB)

Start Date: 2012.09.14

End Date:

2012.09.14

Capacity: 8000.00 psig

Last Calib.: 2012.09.14

Start Time: 10:10:55

End Time:

16:36:40

Time On Blm: 2012.09.14 @ 12:31:40

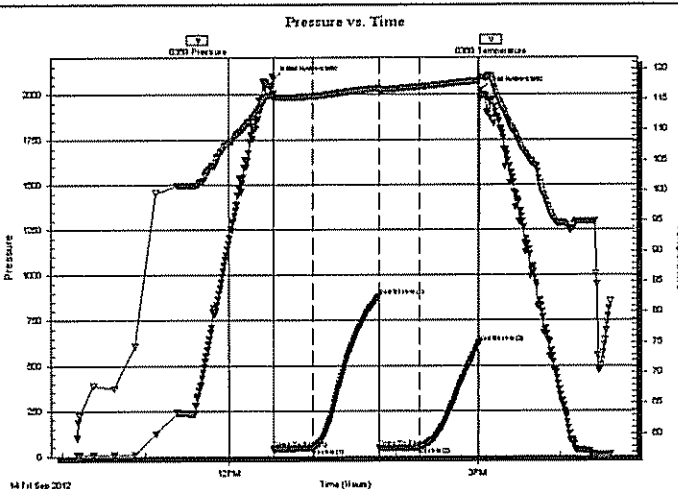
Time Off Blm: 2012.09.14 @ 15:02:10

TEST COMMENT: Weak 1/2" in died in 15 min.

No return

No blow

No return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2082.76	115.87	Initial Hydro-static
1	41.86	115.14	Open To Flow (1)
28	44.99	115.49	Shut-In(1)
76	881.45	116.77	End Shut-In(1)
77	46.27	116.44	Open To Flow (2)
106	48.92	117.02	Shut-In(2)
150	624.98	118.02	End Shut-In(2)
151	2021.23	118.58	Final Hydro-static

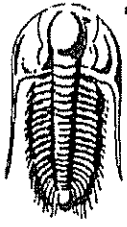
### Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud w/oil spots on top 100% m	0.14

\* Recovery from multiple tests

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Comp

33-12s-31w Gove,Ks

301 S. Market St  
Wichita,Ks

Meyer #1-33

Job Ticket: 50154

DST#: 2

ATTN: Brad Rine

Test Start: 2012.09.14 @ 10:10:55

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil APl:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w/oil spots on top 100%m	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

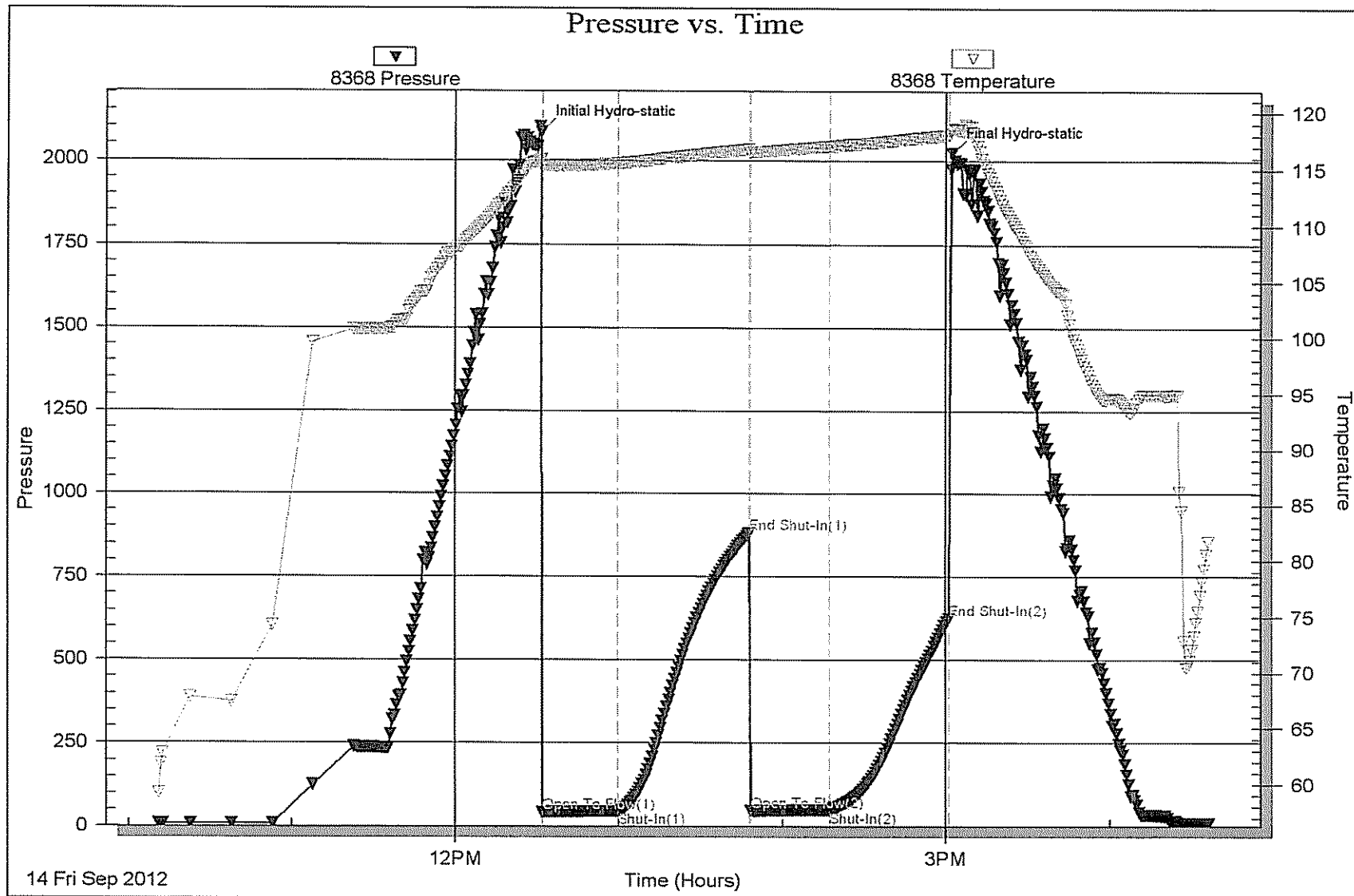
Serial #:

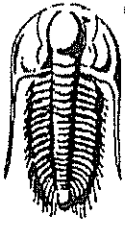
Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Comp  
301 S. Market St  
Wichita, Ks  
ATTN: Brad Rine

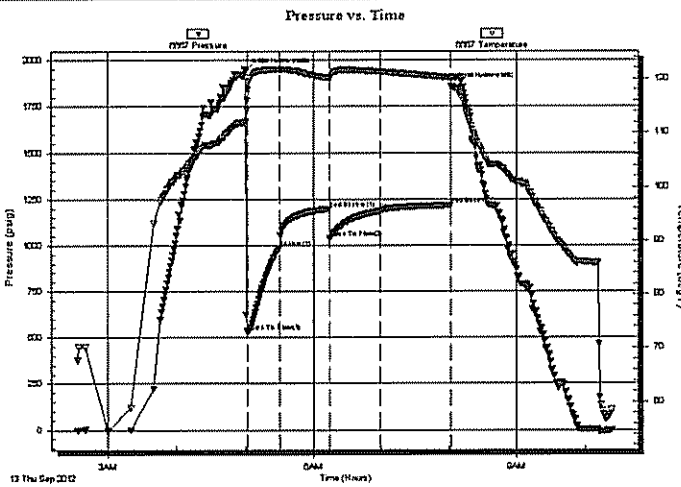
**33-12s-31w Gove, Ks**  
**Meyer #1-33**  
Job Ticket: 50153      **DST#: 1**  
Test Start: 2012.09.13 @ 02:33:20

### GENERAL INFORMATION:

Formation: **Toronto-A**  
Deviated: No    Whipstock: 0.00 ft (KB)  
Time Tool Opened: 05:02:05  
Time Test Ended: 10:45:35  
Interval: **3959.00 ft (KB) To 4010.00 ft (KB) (TVD)**  
Total Depth: 4010.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches    Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Shane McBride  
Unit No: 55  
Reference Elevations: 2946.00 ft (KB)  
2939.00 ft (CF)  
KB to GR/CF: 7.00 ft

**Serial #: 6667    Outside**  
Press@RunDepth: 1186.72 psig @ 3960.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.09.13      End Date: 2012.09.13      Last Calib.: 2012.09.13  
Start Time: 02:33:20      End Time: 10:24:35      Time On Btm: 2012.09.13 @ 05:00:35  
Time Off Btm: 2012.09.13 @ 08:01:50

**TEST COMMENT:** B.O.B. in 1 min  
No return  
B.O.B. in 2 min, died back to 10" in  
No return



### PRESSURE SUMMARY

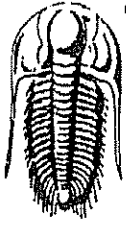
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1941.76	112.09	Initial Hydro-static
2	530.25	115.95	Open To Flow (1)
30	985.41	121.70	Shut-In(1)
74	1199.04	120.11	End Shut-In(1)
74	1041.74	120.04	Open To Flow (2)
119	1186.72	121.31	Shut-In(2)
181	1217.31	120.14	End Shut-In(2)
182	1860.48	119.74	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
180.00	m c w 40m 60w	2.52
120.00	s m c w 15m 85w	1.68
2180.00	water 100w	30.58

### Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Comp

**33-12s-31w Gove,Ks**

301 S. Market St  
Wichita, Ks

**Meyer #1-33**

Job Ticket: 50153

DST#: 1

ATTN: Brad Rine

Test Start: 2012.09.13 @ 02:33:20

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

53000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filler Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
180.00	m c w 40m 60w	2.525
120.00	s m c w 15m 85w	1.683
2180.00	water 100w	30.580

Total Length: 2480.00 ft      Total Volume: 34.788 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .156 @ 57\*f = 53,000 chlor

